

Connectivity & Dissemination



CHALLENGES

- Congested and Contested RF environment
- Affordable net-enabled C2ISR for the tactical Air Force
- Cross-domain multimedia information sharing
- Mission-aware prioritized resource management

Near (FY11 - FY15)



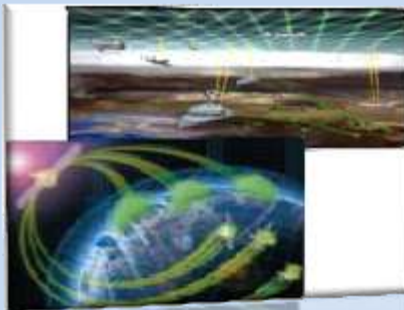
- Spatial-multiplex airborne MIMO transmitting video over voice channels (1's – 10's bits/sec/Hz)
- Cross security domain VoIP ,300ms latency
- Open pod approach → 5x improvement in platform tech refresh

Mid (FY16 – FY20)



- Content/Mission-Aware trusted router 10Gb/sec for 24 AF
- 80% mission aware traffic for 24 AF
- Integrated Information Operations / SIGINT (USCYBERCOM)

Far (FY21 – FY25)



- 5Ghz new bandwidth on V/W SATCOM links
- Multi-level virtualization platforms supporting 30+ security domains (10x improvement)
- Net-enabled C2ISR for denied environments